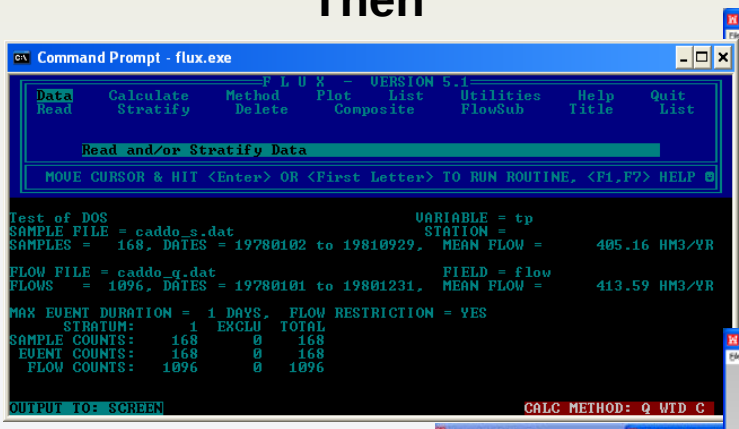
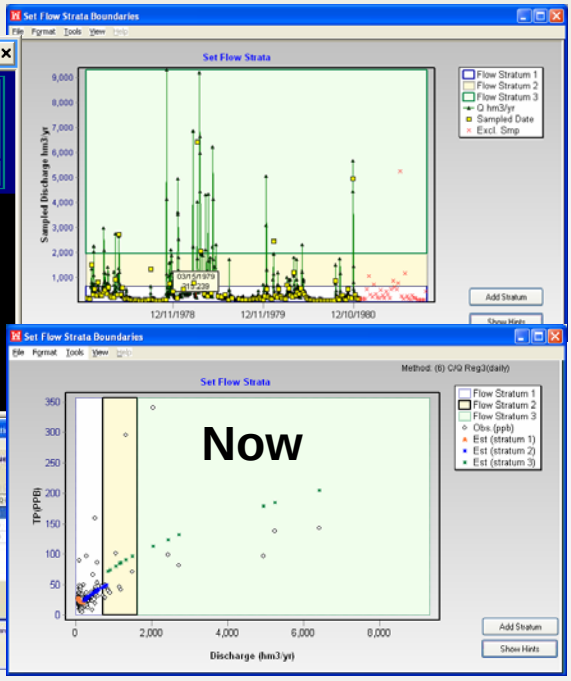
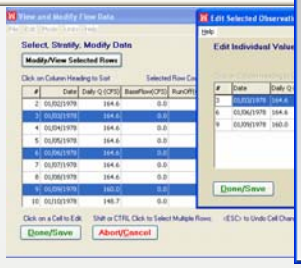
INTRODUCING FLUX$_{32}$ Beta Release (2008)

WHAT IS FLUX$_{32}$? A translation and upgrade to the venerable FLUX mass transport program. FLUX$_{32}$ is an interactive program for analyzing stream data and estimating loads (mass transports) of nutrients and other water quality constituents passing a tributary sampling point over a given period of time. Originally written in the 1980s by William W. Walker under sponsorship of the U.S. Army Corps of Engineers (USACE), FLUX has been revised and improved several times and is used across the globe. This revision is being produced under a cooperative agreement between the USACE and the Minnesota Pollution Control Agency (MPCA). It keeps FLUX alive, preserving its functionality and basic program flow in the Win32 environment and beyond. It can use all the file types and formats supported in the old version, but now can use Excel spreadsheets and external data generators (via XML). The interface and graphic capabilities have been dramatically enhanced.

Then







Highlights:

•Original FLUX algorithms, variance estimates, and diagnostic capabilities are intact. Size limits on input data are virtually eliminated.

•Input in XML and Excel spreadsheet is now supported.

•Hydrograph separation capability using HYSEP algorithm (USGS) is included.

•Graphic Interface - Flow and time strata, excluded/included observations can all be defined and viewed graphically (in addition to manual text entry). Tables and plots are linked.

•Current session can be saved (all data and settings) and previous sessions can be resumed.

•All plots and tabular listings can be exported to other programs.

•Extensive help system of original has been ported, updated, and linked to program context.

Contacts: USACE: David.M.Soballe@usace.army.mil
MPCA: Wade.Gillingham@state.mn.us

Minnesota Pollution Control Agency